

Towards Environmental Inclusion: Fostering inclusive mobility behaviours through Internet of Things

Original

Towards Environmental Inclusion: Fostering inclusive mobility behaviours through Internet of Things / Ghajargar, Maliheh; Giannantonio, Roberta; Ghajargar, Mohsen. - ELETTRONICO. - (2015), pp. 5-5. (Intervento presentato al convegno INCLUDE 2015 tenutosi a London (UK) nel 17-18 September 2015).

Availability:

This version is available at: 11583/2624335 since: 2015-11-28T10:12:26Z

Publisher:

Published

DOI:

Terms of use:

openAccess

This article is made available under terms and conditions as specified in the corresponding bibliographic description in the repository

Publisher copyright

(Article begins on next page)

Towards environmental inclusion: Fostering *inclusive mobility behaviors* through IoT

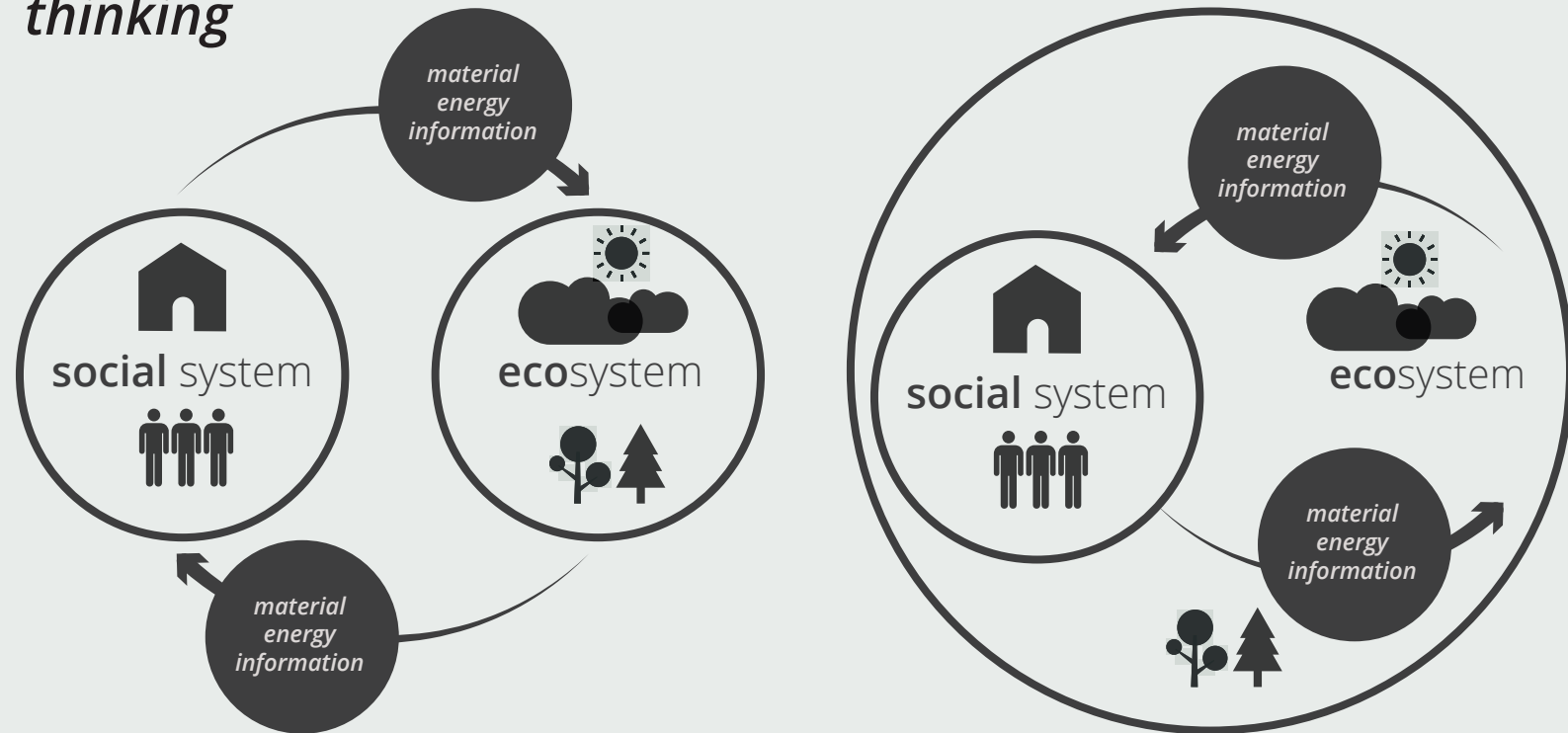
Maliheh Ghajargar¹, Roberta Giannantonio², Mohsen Ghajargar, Ph.D.³

¹DIGEP, DAD, Politecnico di Torino, Italy, ² Swarm Joint Open Lab, Telecom Italia, Italy, ³Technology Consultant, Techlegic, Tysons, VA, USA

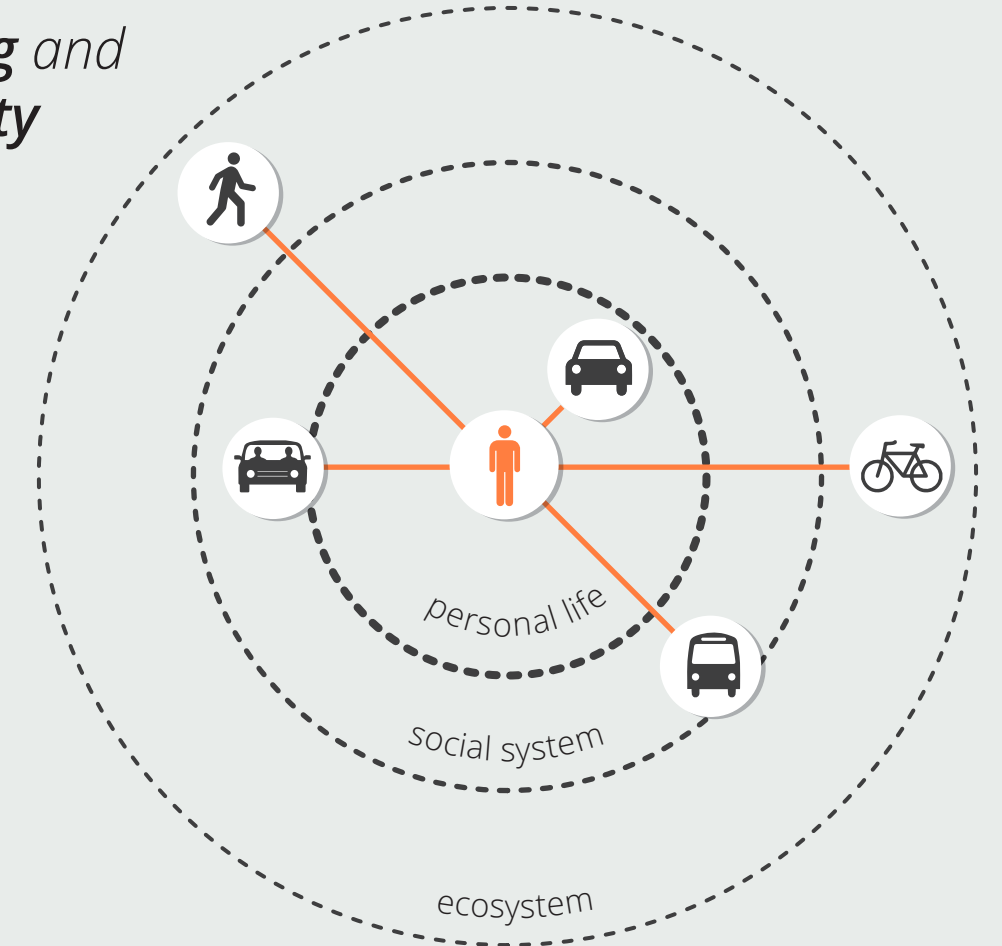
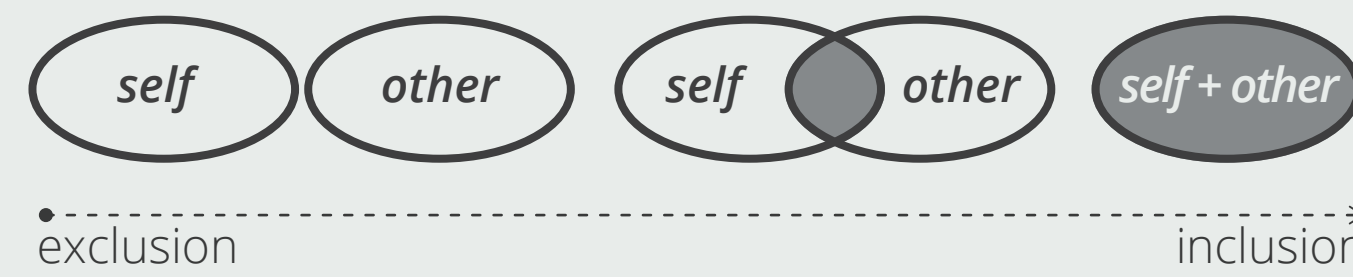
area of focus:

Broadly in psychology the term '**connectedness**' describes the extent to which individuals consider themselves parts of the universe and is defined as the extent individuals **cognitively include** natural ecosystems in their representation of selves. As an individual or group's **level of connectedness** directly affects their level of **sustainable behavior**, in this project we intend to broaden the principles of inclusive design to include the social and especially environmental aspects. To this end, we apply inclusive design principles to **multimodal mobility behaviors** in order to foster **ecological thinking**.

ecological thinking



ecological thinking and multimodal mobility behaviors

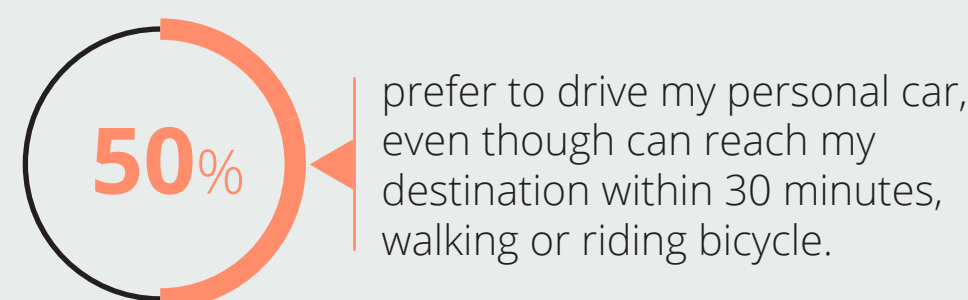
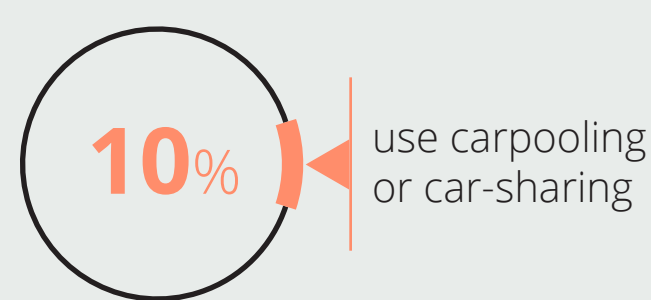


methodology:

Online Survey:

A **survey** has been conducted online since April 22nd 2015, among people who are living in **Piedmont region**, which is the largest Italian region situated in northwest of Italy.

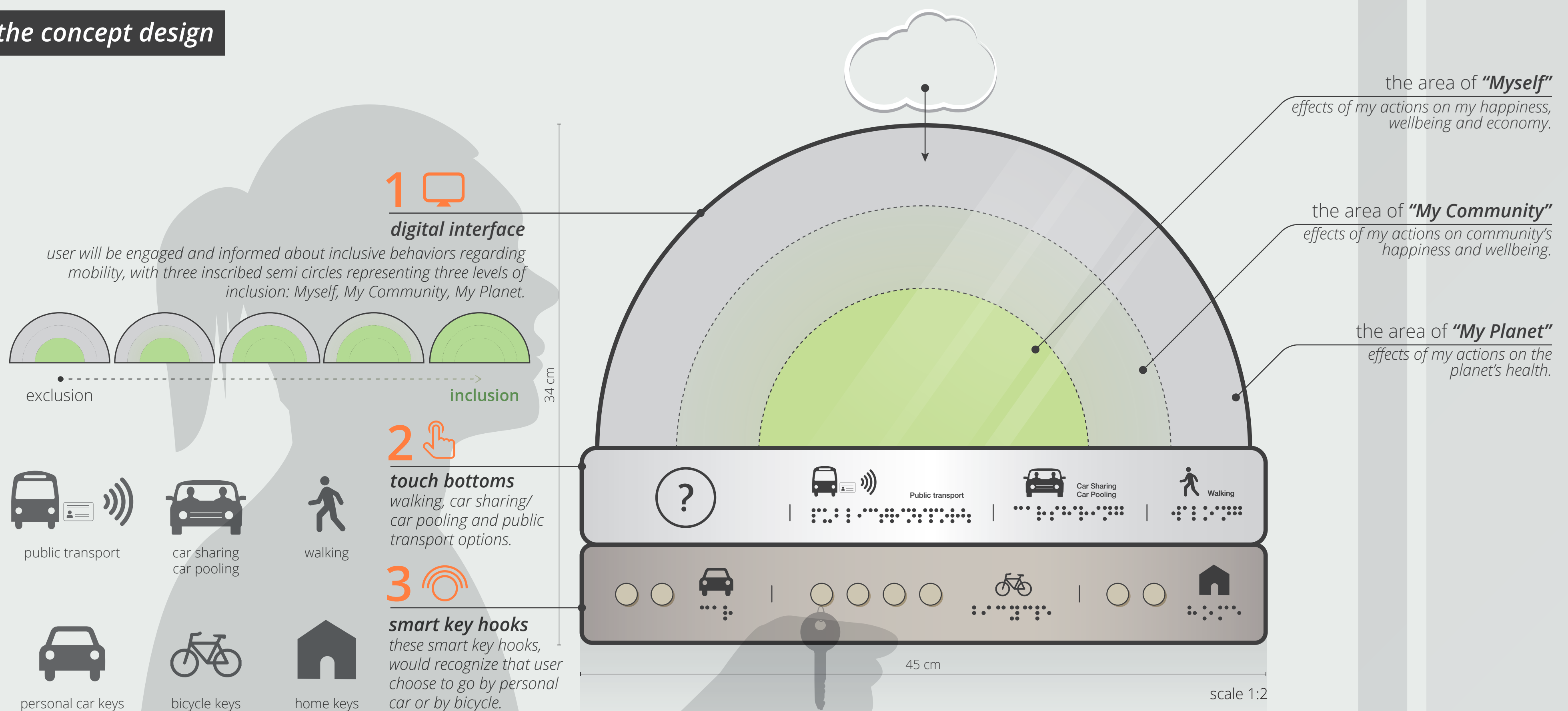
The objective of this survey is **evaluating and analyzing the level of ecological thinking and sustainable behaviors** among people in order to design appropriate product and services, which would help to change, **foster or maintain a certain behavior**.



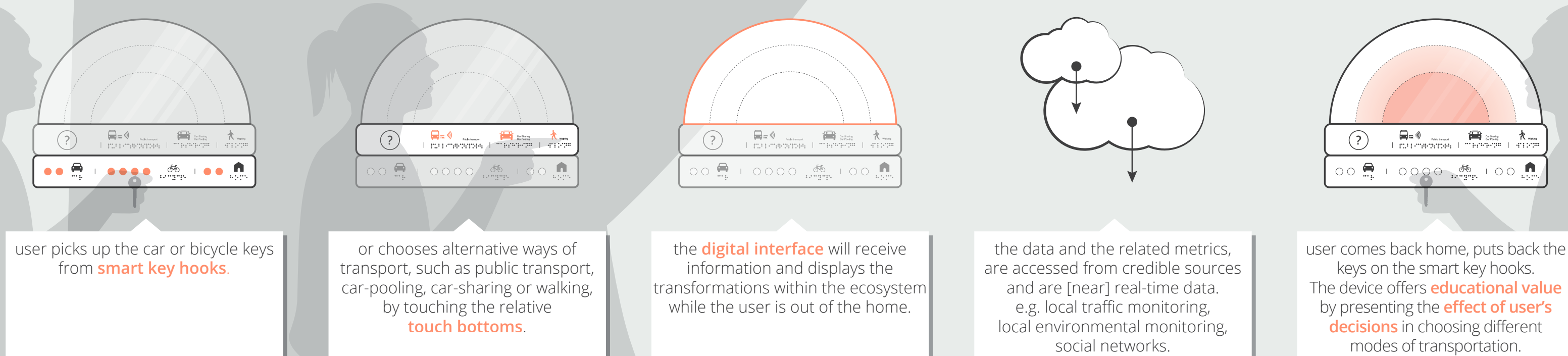
Participatory Design Tool:

For validation purposes and to discover other factors which may influence user's decisions and might not been expressed in the online survey , we have designed a specific generative tool, which will be demonstrated during the **participatory design session**.

the concept design



story board



resources:

Schultz, P.W. The structure of environmental concern. Concern for self, other people, and the biosphere. Environmental Psychology, Vol. 21, 2001.
César Tapia Fonllem, et. al. "Assessing Sustainable Behavior and its Correlates: A Measure of Pro-Ecological, Frugal, Altruistic and Equitable Actions". Sustainability, Vol. 5, 2013
Victor Corral-Verdugo et. al. "Happiness as Correlate of Sustainable Behavior: A Study of Pro- Ecological, Frugal, Equitable and Altruistic Actions That Promote Subjective Wellbeing", Human Ecology Review, Vol. 18, No. 2, 2011
Anthony W. Layne, The Role of Connectedness Theory in Sustainable Architecture, University of Minnesota, Minneapolis, Minnesota, ARCC, 2007